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Research News

May, 1977
Volume IX, No. 11

Office of Research Services
Wright State University Dayton, Ohio 45431

CONTRACTS, GRANTS AND AWARDS

Drs. Roger Iddings and James A. Dillehay received a new governmental instructional grant from the Ohio State Department of Education in the amount of \$16,306 for "Updating Teachers Relative to the Individualizing of Instruction by Establishing a Teacher Center." WSU Account Number 4021C2.

Drs. Roger Iddings and James A. Dillehay also received another instructional grant from the Ohio State Department of Education in the amount of \$16,306 for "The Improvement of Mathematics Instruction within the Schools of the Wright State University's League of IGE Schools." WSU Account Number 4022C2.

The Ohio State Department of Education also awarded Drs. Roger Iddings and John Chiodo a new instructional grant for "Teaching About Local Government, A Cooperative Approach Among the Kettering Public Schools, the Kettering Local Government, and Wright State University." The amount awarded was \$8,190. WSU Account No. 4023C2.

Another instructional grant award for the "Improvement of Reading Instructional Strategies for Middle School Pupils in the Content Areas" was received by Drs. Roger Iddings and Ralph Stuckman. The amount of the award was \$13,297. WSU Account No. 4024C2.

The National Historical Publications and Records Commission of the General Services Administration has awarded Dr. Patrick Nolan \$15,550 to restore and preserve the priceless drawings, blueprints, and other diagrams of the machinery of "The O. S. Kelly Company: Documenting the Steam Age in American Agriculture." WSU Account Number 4025C2.

Dr. Daniel Organisciak will be conducting research on a new grant he received from the DHEW, National Eye Institute, Retinal and Choroidal Disease Program, for his studies on "Environmental Light and Retinal Membrane Development." The amount of the award was \$39,391. WSU Account No. 4313HO.

The National Science Foundation awarded Dr. Michael Smith and Marc Porter (Student) \$19,400 for support of their Student-Originated Studies project entitled, "Investigation of a Natural Bog System: Effects on Acid Mine Drainage." WSU Account No. 3687D2.

AWARDS (CONTINUED)

The Department of Health, Education, and Welfare, PHS, Division of Research Resources has awarded Dr. Brian Hutchings a new developmental grant in the amount of \$23,880 for his "Biomedical Research Support Program." WSU Account No. 3688H2.

Raymond Palmer has a new subcontract with Wayne State University Medical Library, under the Kentucky-Ohio-Michigan Regional Medical Library Program, in the amount of \$5,120 to be used for "Provision of Consultation, Workshops, Medline Services, etc., for Basic Unit Libraries in a Seven County Area: Drake, Shelby, Treble, Montgomery, Miami, Clark and Greene. WSU Account Number 4408RO.

Dr. Harvey Siegal received a new grant from the Ohio Department of Health, Western Ohio Regional Alcoholism Council in the amount of \$31,090 for his instructional program entitled "The Development of an Alcoholism Curriculum for Medical Education." WSU Account No. 4409CO.

The United States Department of Agriculture awarded Dr. Thomas Tiernan \$140,693 for his research on "Development and Application of Analytical Methodology for Determination of Hexa-, Hepta- and Octachlorodibenzo-Dioxins in Beef Samples." The Account No. is 3689R2.

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RESEARCH AND
RESEARCH PROJECT
GRANTS

The next deadline for a number of programs of the National Institutes of Health will be July 1, 1977. Research in conjunction with any of the Institutes including the National Library of Medicine and the Division of Nursing, Bureau of Health Manpower Education, as well as Biotechnology Resources, Training in Health Sciences and Computer Technology, Mental Health, Drug and Alcohol Abuse, and Aging, all this common deadline.

Higher Education continues to live up to its name. It gets higher and higher.

* * * *

There were sixteen formal proposals submitted through the Office of Research Services during the month of March.

- 77-137 Dr. Gary Barlow - Art Education - 3/1/77
National Committee, Arts for the Handicapped \$10,000
"Interdisciplinary Arts Education for the Handicapped"
- 77-140 Drs. Paul Kezdi and Donald Thomas - Cox Heart Institute &
School of Medicine - 3/1/77
DHEW-PHS-NIH \$300,000 for 3 years
"Biomedical Research Development Grant"
- 77-141 Dr. Hal Gaddis - College of Education - 3/10/77
Ohio Department of Education \$5,987
"Motorcycle Safety Education Program"
- 77-142 Ms. Pat Marx and Dr. Anne Shearer -Handicapped Student Services
Special Services 3/16/77
DHEW-OE Chicago \$122,911
"Special Services for Physically Disabled and Underprepared Students"
- 77-143 Dr. George Dimopoulos - Biological Sciences - 3/15/77
Agency for International Development \$118,460 for 3 years
"Finite Purification of Plasmodium Berghei: Elimination of Erythrocytic Antigens (Malaria Immunization and Vaccination)"
- 77-144 Dr. Lilburn Hoehn - College of Education - 3/11/77
W. K. Kellogg Foundation \$102,386 for 2 years
"Professional Development Program"
- 77-145 Dr. Thomas Tiernan - Brehm Laboratory, Chemistry Department
3/11/77
United States Environmental Protection Agency \$107,701
"The Analysis of Environmental Samples for 2, 3, 7, 8 Tetrachlorodibenzo-chromatography Mass Spectrometry"
- 77-146 Dr. Tyrone Payne - College of Education - 3/7/77
Dayton Public Schools \$1,118
"Analysis of Pre and Post Test Data for Selected Follow Through Program Sites"
- 77-147 Dr. Noel Nussbaum - Department of Physiology -School of Medicine
3/22/77
Air Force Office of Scientific Research - Life Sciences \$33,556
"Ultrastructure of the Primate Intervertebral Disc"

March Proposals (Continued)

- 77-148 Dr. Charles Colbert - Radiological Research Laboratory -
3/18/77
DHEW-PHS National Institute of Environmental Health Services
\$51,365
"Radiological Bone Density Changes in Lead Poisoning"
- 77-149 Dr. Thomas Tiernan - Brehm Laboratory - Chemistry Department
3/28/77
United States Department of Agriculture
\$171,046
"Development and Application of Analytical Methodology for
Determination of Hexa-, Hepta- and Octachlorodibenzodioxins in
Beef Samples"
- 77-152 Ritchie Thomas - University Library - 3/28/77
Montgomery County - CETA, Title I
\$8911
"A Microfilm Camera Technician"
- 77-153 Raymond Palmer - Health Sciences Library, School of Medicine -
3/31/77
Kentucky-Ohio-Michigan Regional Medical Labrary - \$5,120
"Regional Medical Library Program"
- 77-155 Dr. Richard Jensen - Biological Sciences - 3/29/77
The American Philosophical Society \$390
"A Numerical Analysis of Two Hybrid Containing Populations of
Red Oaks"
- 77-156 Dr. Joseph Balloun - Psychology Department - 3/14/77
American Heart Association \$12,500
"Smoking Prevention Among Pre and Early Adolescents"
- 77-157 Dr. Charles Colbert - Radiological Research Laboratory - 3/30/77
Epilepsy Foundation of America - \$11,855
"Toward Minimizing Bone Loss in Treating Epilepsy"

Visit or call the Office of Research Services for assistance in developing
proposals for extramural funding. 415 Library Phone 2425 or 2426.

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EXXON EDUCATION
FOUNDATION

The Exxon Educational Foundation has set a deadline of June 1, for Educational Research & Development Projects. Grants are provided to support projects which will lead to wide improvement in instruction, administration, or physical facilities utilization in higher education. Three types of project activities may be supported: (a) pilot projects, (b) developmental efforts, and (c) an examination or analysis of practices, trends, and developments in higher education.

Projects should enhance the effectiveness of educational processes and must have the potential for benefiting a broad segment of higher education. Institutions must assure continuance of successful pilot and development projects after foundation support has ended.

Most grants will not exceed \$100,000.

NATIONAL ENDOWMENT
FOR THE HUMANITIES-
RESEARCH

The purpose of the National Endowment's Division of Research Grants is to strengthen American scholarship's in the humanities, provide support for the discovery of new knowledge, and deeper our humanistic understanding. In particular, the programs are aimed at building up the materials and resources necessary for conducting humanistic research in the nation.

There are six grant programs:

- (1) Research Tools
- (2) Research Centers
- (3) International Conferences for the Bicentennial
- (4) State & Local History
- (5) Editing, and
- (6) General Research

Deadline for application is June 1, 1977.

Additional information on the different grant programs is available in the Office of Research Services, Library 415.

OAS
FELLOWSHIPS

The Organization of American States announces a program to award fellowships to contribute to the economic, social, scientific, and cultural development of OAS member countries, and to bring about a closer understanding between the people of North, Central and South America. Application may be made to Argentina, Barbados, Bolivia, Brazil, Columbia, Costa Rica, Chile, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Trinidad, and Tobago, Uruguay and Venezuela.

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FINANCIAL AID
RESOURCES FOR
WOMEN

The recent increased enrollments of women, particularly older women in higher education, has been accompanied by growth in financial resources available to women.

The following represents abstracts of six selected programs in this area:

Business and Professional Women's Foundation. Awards career advancement scholarships to adult women who need further training or education to begin a career or to improve professional opportunities. Scholarships are offered based on financial need to women 25 and over who are returning for vocational training, undergraduate or graduate work after a break in their education. Approximately 240 scholarships of \$1,000 each will be awarded to women interested in career training. There is an application deadline of May 1, 1977. Graduate fellowships are also available for doctoral candidates. Contact: Business and Professional Women's Foundation, 2012 Massachusetts Avenue, N.W., Washington, D. C. 20036 (202) 293-1200).

Clairol Loving Care Scholarship Program A \$50,000 Program for women 30 and older who are continuing post-secondary education to achieve career goals. Scholarships up to \$1,000 are available for full or part-time study in vocational schools, undergraduate college degree programs, or graduate work at the Master's or professional level. An application form may be obtained from the Business and Professional Women's Foundation, 2012 Massachusetts Avenue, N.W., Washington, D. C. 20036.

Helena Rubinstein Foundation Awards grants to colleges and universities nationally and internationally for scholarships to students, the majority of whom are women, selected by the schools on the basis of financial need and academic ability. Academic disciplines of Helena Rubinstein Scholars range from science to music, art, nursing, liberal arts, medicine and law, from entering freshman to adult women who are returning to college to complete their education. Contact: Helena Rubinstein Foundation, 261 Madison Avenue, N. Y., N. Y. 10016.

Altrusa International Foundation Provides awards to "women only" for training or retraining to qualify for employment. Emphasis on vocational education, such as nursing, x-ray technology and bookkeeping, rather than a college degree. Contact: Chairman, Founders Fund Vocation Aid Committee, Altrusa International Foundation, Inc., 322 South Michigan Avenue, Chicago, Illinois 60604.

The Danforth Foundation Offers a graduate fellowship program to women with undergraduate degrees who want to pursue full- or part-time graduate study leading to a career in secondary or college teaching or administration. Qualified applicants must be women whose education and/or teaching career has been interrupted for three continuous years for any reason. Preference is given to women who will complete their study program by the age

FINANCIAL AID RESOURCES FOR WOMEN (CONTINUED)

of 50. Contact: Director, Graduate Fellowships for Women, Danforth Foundation, 222 South Central Avenue, St. Louis, Missouri 63105.

The National Association of Bank Women Has developed a pilot project in conjunction with Simmons College, Boston, for a Bachelor's degree program in management for women bankers who need further education for career advancement. The program began September, 1974. Expansion plans call for extending the program to nine other colleges throughout the country by September 1977. Contact: Anne L. Bryant, Education Director, National Association of Bank Women, State Street Bank & Trust Company, Box 351, Boston, Massachusetts 02101.

NIAAA TRAINING GRANTS

The National Institute on Alcohol Abuse and Alcoholism has announced a June 1 deadline for submission of applications to its training program. The purpose of the NIAAA training program is to enhance the capacity and effectiveness of the Institute's programs in research, treatment and rehabilitation services, prevention, and in treatment and control activities aimed at drinking drivers, alcoholic employees, American Indians, and chronic drunkenness offenders.

A high priority has been set on furthering programs to systematically introduce and include information about alcoholism in the curricula of schools of medicine, social work, nursing, public health, psychiatry, psychology, and any other germane discipline. Other training objectives focus on the development of alcohol specialists to take leadership roles in training, research, public education and administration, alcoholism training for hospital staff and private practitioners and training of alcoholism counselors, with or without degrees, to function in both clinical and coordinating roles.

A variety of training programs can be funded, including:
(a) Exploration of methods by which lay workers may be trained to work with minimal supervision (b) Development of programs to prepare college graduates, students in community colleges, and technicians for work in alcoholism (c) Development of professional competence in field settings via graduate student internship (d) Multidisciplinary workshops for professionals in the field of alcoholism.

For further information contact:

Training, NIAAA
5600 Fishers Lane
Rockville, Maryland 20852

PROPOSAL
PREPARATION
HINT
(TIME-LINE)

After a careful review of the stated objectives to be accomplished through the research effort, develop a calendar of specific tasks to be performed. Similarly, develop for each participant a

time-line basis of participation for each of these tasks. A summary of these two can then be plotted for use in estimating the personnel time required for completion of tasks included in the proposed study.

	January	February	March	April	May	June	July	August	September	October	November	December
Task												
#1												
#2												
#3												
#4												
#5												

	January	February	March	April	May	June	July	August	September	October	November	December
PI												
RA												
RA												
GS												
US												
Secy.												

PI-Principal Investigator

RA-Research Associate

RA-Research Assistant

GS-Graduate Student

US-Undergraduate Student

Secy.-Secretarial

CALENDAR OF DEADLINES

MAY

	<u>Agency or Code</u>	<u>Date</u>
Information Dissemination for Science		
Education Proposals	NSF	13
Research - Bureau of Mines	L-15	15
Geological Research	L-16	15
Postdoctoral Research Associateships (NRC) NASA	M-69	15
Program of Analytical Awards - Science Resources		
Data Bases & Related Studies	H-105	15
Public Service Science Residencies and Internships	N-53	15
Alcohol and Drug Abuse Education Programs	E-94	15
Women's Educational Equity	C-15	Mid
Rehabilitation Research and Demonstration	H-19	Prob. 16
Veterans' Cost-of-Instruction Payments to Institutions of Higher Education	D-73	16
Research and Development in the Field of Aging (Investigator Initiation Grants)	H-1	27

JUNE

To the calendar, as shown in the April Research News, add:

U.S./Japan Cooperative Science Program	N-61	1
U.S./Latin American Cooperative Science Program	N-61	1
Minority Access to Research Careers	G-13	1
Research Tools and Editing - NEH Program	M-66	2
Rehabilitation Research and Demonstration	H-19	Early

JULY

Refer to the April Research News.

AUGUST

Public Understanding of Science	NSF	1
Research in Maternal and Child Health and Crippled Children's Services	F-55	1
Formula Grants to States for Program for the Developmentally Disabled	H-31	1
Education Programs (Institutes) (NEH)	M-64	1
Education Programs (Development) (NEH)	M-64	1
Research - Bureau of Mines	L-15	15
Geological Research	L-16	15

CALENDAR OF DEADLINES (CONTINUED)

AUGUST

	<u>Agency or Code</u>	<u>Date</u>
Research and Development in the Field of Aging (directed research)	H-1	Mid
Public Programs (Humanities) (NEH)	M-65	26
Scientific Research Support Social Sciences	N-73	31

PROGRAMS SANS DEADLINES

	<u>Agency or Code</u>
Adult Education (set by State)	C-1
Education of Children from Low Income Families	C-57
Libraries and Learning Resources	C-107
National Technical Institute for the Deaf	D-20
Media Services and Captioned Films	D-21
Regional Resource Centers	D-27
Education of Handicapped Children in State Schools	D-33
Low Interest Loans to Students in Postsecondary Institutions	D-113
Public Library Services	E-9
Public Library Construction	E-12
Interlibrary Cooperation	E-13
Interinstitutional Cooperative Research Abroad	E-43
Research and Development Contracts	F-41
Special Projects for Maternal and Child Health Services	F-56
Special Projects for Crippled Children's Services	F-57
Training of Professional Personnel for Services in Maternal and Child Health	F-58
Mental Health Small Grant Program	G-34
Vocational Rehabilitation Projects with Industry	H-9
Innovation and Expansion of Vocational Rehabilitation Facilities	H-11
Internal Programs for Rehabilitation Research, Demonstrations, and Training	H-26
National Center for Deaf-Blind Youth and Adults	H-29
Technical Assistance to Rehabilitation Facilities	H-30
Educational Leave for Personnel of State Public Welfare Agencies	H-49
Public Welfare Research and Demonstration	H-50
Headstart Child Development Centers (new)	H-71
Child Welfare Research and Demonstrations	H-75
Advanced Research Projects Agency	J-7
Defense Nuclear Agency	J-8

PROGRAMS SANS DEADLINES (CONTINUED)

	<u>Agency or Code</u>
Sponsored Research by the Department of the Army	J-9
Office of Naval Research	J-10
Air Force Office of Scientific Research (AFSC)	J-11
Loans of Machine Tools and Equipment	J-14
Research and Development - Civil Defense Operations	J-15
State and Local Civil Preparedness Instruction Program	J-16
Cooperative Forestry Research	K-17
Basic and Applied Forestry Research	K-18
Forestry Research Program	K-19
Contracts for Domestic Agricultural Research	K-25
Research in Economic Development	K-38
Environmental Sciences Research	K-45
Sea Grant Program	K-47
Marine Mammals Studies and Research	K-49
Experimental Manpower Program	K-57
Research and Evaluation of Manpower Problems	K-59
Comprehensive Planning Work-Study Projects	K-81
Cooperative Wildlife Research Units	L-14
State Water Resources Research and Training Institutes	L-18
Narcotics and Dangerous Drugs - Preventive Programs	L-27
Training in Drug Abuse Control	L-28
Law Enforcement Assistance Discretionary Grants	L-37
Law Enforcement Planning and Action Grants	L-41
Research and Development on Crime Prevention and Law Enforcement	L-45
Law Enforcement Personnel Training	L-48
Aviation Education Services and Resources	L-71
Driver Education Program	L-73
Urban Mass Transportation Managerial Training	L-85
Used Nuclear Equipment Programs	M-7
Faculty-Student Conferences in Energy-Related Services	M-10
Student Research Participation at ERDA Laboratories (contact nearest laboratory)	M-9
Speakers and Consultants in Energy Sciences	M-13
University Reactor Sharing	M-16
Environmental Protection - Consolidated Research	M-33
Air Pollution Control Research	M-35
Pesticides Research	M-36
Radiation Research	M-37
Solid Waste Research	M-38
Water Pollution Control - Research, Development, and Demonstration	M-39
Water Supply Research	M-40
Air Pollution Manpower Training	M-41
Water Pollution Control - Technical Training	M-43
Water Pollution Control - Professional Training	M-44
Water Pollution Control - Fellowships	M-45
Solid Waste Training	M-47
Solid Waste Demonstration and Planning Grants	M-48

PROGRAMS SANS DEADLINES (CONTINUED)

	<u>Agency or Code</u>
Services of the National Audiovisual Center	M-55
Research Grants and Contracts - NASA	M-58
Participant Travel to NATO Advanced Study/Institutes	N-49
Science for Citizens	N-51
Public Understanding of Science	N-55
International Travel	N-58
International Science Studies	N-60
Special Foreign Currency Programs	N-63
Doctoral Dissertation Research	N-71
Astronomy Project Support	N-77
National Astronomy and Ionosphere Center	N-78
National Radio Astronomy Observatory	N-81
Atmospheric Sciences Project Support	N-83
Climate Dynamics Program	N-84
Global Atmospheric Research Program	N-85
International Magnetospheric Study	N-86
National Center for Atmospheric Research	N-87
Ocean Sediment Coring Program	N-92
Intergovernmental Science Program	N-102
Science & Technology Policy	N-104
National Student Volunteer Program	O-1
Action Cooperative Volunteers	O-3
Vista-Volunteers in Service to America	O-5
Retired Senior Volunteer Program	O-8
Management Training and Technical Assistance	O-19

Dr. Steven A. Crist passed away at 4:00 A. M., April 26, 1977. He had been in a critical condition the last several weeks at the V. A. Hospital. Steve had been a consultant to Dr. R. T. Conley for one year prior to his appointment as Director of Research Services on July 1, 1975.